

Title (en)

SYSTEM AND METHOD FOR CAMERA BASED POSITION AND ORIENTATION MEASUREMENT

Title (de)

SYSTEM UND VERFAHREN FÜR EINE KAMERABASIERTE POSITIONS- UND AUSRICHTUNGSMESSUNG

Title (fr)

SYSTÈME ET PROCÉDÉ PERMETTANT LA MESURE D'UNE POSITION ET D'UNE ORIENTATION SUR LA BASE DE CAMÉRAS

Publication

EP 3055649 B1 20230301 (EN)

Application

EP 14851781 A 20141007

Priority

- US 201314049607 A 20131009
- US 2014059418 W 20141007

Abstract (en)

[origin: US2015098079A1] A system and a method for determining a position and an orientation of an object relative to a defined reference frame is disclosed. A plurality of targets are disposed at known locations relative to the defined reference frame. A head assembly is disposed on the object, where the head assembly includes a plurality of cameras. The head assembly determines the position and the orientation of the object from location data associated with the plurality of targets and image data from the plurality of cameras.

IPC 8 full level

G01C 21/00 (2006.01); **G01C 25/00** (2006.01)

CPC (source: EP US)

F16M 11/08 (2013.01 - EP US); **F16M 11/18** (2013.01 - EP US); **G01S 5/163** (2013.01 - EP US); **G01S 17/42** (2013.01 - EP US); **G01S 17/86** (2020.01 - US); **G01S 17/875** (2013.01 - EP US); **G03B 17/561** (2013.01 - EP US); **G03B 37/00** (2013.01 - EP US)

Citation (examination)

WO 2007030026 A1 20070315 - IND RES LTD [NZ], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2015098079 A1 20150409; CA 2926705 A1 20150416; CA 2926705 C 20200211; CN 105745514 A 20160706; CN 105745514 B 20200211; CN 110455280 A 20191115; EP 3055649 A2 20160817; EP 3055649 A4 20170621; EP 3055649 B1 20230301; JP 2016536580 A 20161124; JP 2019015739 A 20190131; JP 6585262 B2 20191002; US 10197675 B2 20190205; US 2016238706 A1 20160818; WO 2015054194 A2 20150416; WO 2015054194 A3 20151022

DOCDB simple family (application)

US 201314049607 A 20131009; CA 2926705 A 20141007; CN 201480055730 A 20141007; CN 201910905319 A 20141007; EP 14851781 A 20141007; JP 2016522012 A 20141007; JP 2018189581 A 20181004; US 2014059418 W 20141007; US 201415027994 A 20141007